

205279US-3X



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

KATSUYUKI SUZUKI ET AL.

SERIAL NO.: 09/821,069

FILED: MARCH 30, 2001

FOR: HOLE FORMING TOOL

:

: GROUP ART UNIT: 3711

:

: EXAMINER: PIERCE, W.

*Amdt  
#6/A*

*12/30/02*

*Bloss*

AMENDMENT

RECEIVED

DEC 23 2002

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

TECHNOLOGY CENTER R3700

SIR:

In response to the Office Action dated September 19, 2002, please amend the above-identified application, without prejudice, as follows:

IN THE SPECIFICATION

Page 2, please replace the paragraph numbered [0005] as follows:

When, for example, finishing processing is to be performed after the hole forming process, a hole formed by the above-described drills for hard steels will be a primary hole. Accordingly, in addition to the maintenance of the tool life, high cutting accuracy is also required. The above-described drills, however, are designed merely for increasing the rigidity thereof by decreasing the helix angle of the chip discharging grooves and by increasing the core diameter. Although such a construction reduces the risk of causing fracture of the cutting edges or breakage of the drills, there is a disadvantage in that the cutting force is increased and the sharpness of the cutting edges is degraded. As a result, the cutting accuracy is

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